

Name: _____

Date: _____

FOIL and Factor solution (version 107)

FOIL the expressions shown below:

1. $(x + 7)(x + 2)$

$$x^2 + 9x + 14$$

2. $(x - 7)(x + 9)$

$$x^2 + 2x - 63$$

3. $(x - 7)(x - 2)$

$$x^2 - 9x + 14$$

4. $(x - 6)(x - 5)$

$$x^2 - 11x + 30$$

5. $(x - 9)(x - 8)$

$$x^2 - 17x + 72$$

Factor the expressions shown below:

6. $x^2 + 11x + 24$

$$(x + 8)(x + 3)$$

7. $x^2 + 17x + 72$

$$(x + 8)(x + 9)$$

8. $x^2 - 3x - 54$

$$(x + 6)(x - 9)$$

9. $x^2 - 2x - 63$

$$(x - 9)(x + 7)$$

10. $x^2 - 3x - 10$

$$(x - 5)(x + 2)$$